

APPENDIX A

SOIL BORING LOGS
AND WELL CONSTRUCTION DIAGRAMS

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.

BORING ID: GP1-7MW
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.1			
					2			
-2					2	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry		
					0.0			
-3					4			
-4					4			
			5'		0.1			
-5	S2		5'	48"	6			
-6					6			
					0.1			
-7					8			
-8					8			
					0.3			
-9			10'		10	See Above		
-10	S3		10'	60"	10			
					0.9			
-11					12			
-12					12			Approximate Water Table
					0.6			gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet
-13					14			
-14					14			
			15'		0.1			
-15	S4		15'		16			
-16					16	gray fine to silty fine SAND, trace medium sand, trace coarse sand with silt lenses; wet		
					0.0			
-17					18			
-18					18			
					0.0			
-19			20'		20	End of Boring at 20 feet; No Refusal		
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 20'			

Groundwater Measurements**Summary**

Date	Time	Depth to Groundwater	Measuring Point	Overburden:	Fill; Sand
				Rock:	NA
				Well Depth:	NA
				Boring:	20'

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.

BORING ID: GP3-1
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	60"	0	tan to brown fine SAND, little coarse sand trace medium sand and gravel; dry (FILL) brown to black fine to silty fine SAND, black fine sand, ash layers; dry (FILL)		
-1					0.0			
-2					2			
-3					2			
-4					0.5			
-5					4			
-6					4			
-7			5'		0.1			
-8	S2		5'	48"	6			
-9					6			
-10					0.9	black fine to medium SAND with ash and broken with gravel and orange sand lenses; dry		
-11					8			
-12					8			
-13					0.3			
-14			10'		10			black tan fine to silty fine SAND, gray silt seams; moist
-15	S3		10'	60"	10			
-16					0.0	gray silty fine SAND, trace medium sand moist to wet		
-17					12			
-18					12			
-19					0.0			
-20					14			
-21					14			
-22			15'		0.1			
-23	S4		15'		15			
-24								
-25								
-26								
-27								
-28								
-29								
-30								
-31								
-32								
-33								
-34								
-35								
-36								
-37								
-38								
-39								
-40								
-41								
-42								
-43								
-44								
-45								
-46								
-47								
-48								
-49								
-50								
-51								
-52								
-53								
-54								
-55								
-56								
-57								
-58								
-59								
-60								
-61								
-62								
-63								
-64								
-65								
-66								
-67								
-68								
-69								
-70								
-71								
-72								
-73								
-74								
-75								
-76								
-77								
-78								
-79								
-80								
-81								
-82								
-83								
-84								
-85								
-86								
-87								
-88								
-89								
-90								
-91								
-92								
-93								
-94								
-95								
-96								
-97								
-98								
-99								
-100								
-101								
-102								
-103								
-104								
-105								
-106								
-107								
-108								
-109								
-110								
-111								
-112								
-113								
-114								
-115								
-116								
-117								
-118								
-119								
-120								
-121								
-122								
-123								
-124								
-125								
-126								
-127								
-128								
-129								
-130								
-131								
-132								
-133								
-134								
-135								
-136								
-137								
-138								
-139								
-140								
-141								
-142								
-143								
-144								
-145								
-146								
-147								
-148								
-149								
-150								
-151								
-152								
-153								
-154								
-155								
-156								
-157								
-158								
-159								
-160								
-161								
-162								
-163								
-164								
-165								
-166								
-167								
-168								
-169								
-170								
-171								
-172								
-173								
-174								
-175								
-176								
-177								
-178								
-179								
-180								
-181								
-182								
-183								
-184								
-185								
-186								
-187								
-188								
-189								
-190								
-191								
-192								
-193								
-194								
-195								
-196								
-197								
-198								
-199								
-200								
-201								
-202								
-203								
-204								
-205								
-206								
-207								
-208								
-209								
-210								
-211								
-212								
-213								
-214								
-215								
-216								
-217								
-218								
-219								
-220								
-221								
-222								
-223								
-224								
-225								
-226								
-227								
-228								
-229								
-230								
-231								
-232								
-233								
-234								
-235								
-236								
-237								
-238								
-239								
-240								
-241								
-242								
-243								
-244								
-245								
-246								
-247								
-248								
-249								
-250								
-251								
-252								
-253								
-254								
-255								
-256								
-257								
-258								
-259								
-260								
-261								
-262								
-263								
-264								
-265								
-266								
-267								
-268								
-269								
-270								
-271								
-272								
-273								
-274								
-275								
-276								
-277								
-278								
-279								
-280								
-281								
-282								
-283								
-284								
-285								
-286								
-287								
-288								
-289								
-290								
-291								
-292								
-293								
-294								
-295								
-296								
-297								
-298								
-299								
-300								
-301								
-302								
-303								
-304								
-305								
-306								
-307								
-308								
-309								
-310								
-311								
-312								
-313								
-314								
-315								
-316								
-317								
-318								
-319								
-320								
-321								
-322								
-323								
-324								
-325								
-326								
-327								
-328								
-329								
-330								
-331								
-332								
-333								
-334								
-335								
-336								
-337								
-338								
-339								
-340								
-341								
-342								
-343								
-344								
-345								
-346								
-347								
-348								
-349								
-350								
-351								
-352								
-353								
-354								
-355								
-356								
-357								
-358								
-359								
-360								
-361								
-362								
-363								
-364								
-365								
-366								
-367								
-368								
-369								
-370								
-371								
-372								
-373								
-374								
-375								
-376								
-377								
-378								
-379	</							

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.
 BORING ID: GP3-2
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	48"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.1			
-2					2			
-3					0.0			
-4					4			
-5	S2		5'	48"	0.1			
-6					6			
-7					0.1			
-8					8			
-9					0.3			
-10	S3		10'	60"	10	brown to black fine to silty fine SAND, layered broken brick, concrete, tan fine sand. ash layers; dry (FILL) note: building materials of pasty caulking, glass and metals pieces		
-11					0.9			
-12					12			
-13					0.6			
-14					14			
-15	S4		15'		0.1			
-16					15			
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.
 BORING ID: GP3-3
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	42"	0	tan to brown fine SAND, little coarse sand trace medium sand and gravel; dry (FILL)		
-1					0.1			
-2					2			
-3					1.4			
-4					4			
-5	S2		5'	48"	2.2			
-6					6			
-7					0.9			
-8					8			
-9					0.1			
-10	S3		10'	48"	10	black fine to medium SAND with ash and broken with gravel and orange sand lenses; dry (FILL)		
-11					0.0			
-12					12			
-13					0.0			
-14					14			
-15	S4		15'		0.0			
-16					15			
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.
 BORING ID: GP3-4
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	48"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.1			
-2					2			
-3					0.0	brown to black fine to silty fine SAND, layered broken brick, concrete, tan fine sand, ash layers; dry (FILL)		
-4					4			
-5	S2		5'	48"	0.1			
-6					6	black fine to medium SAND with ash and broken brick and coal pieces; dry		
-7					0.1			
-8					8			
-9					0.3	black tan fine to silty fine SAND, gray silt layers; moist		
-10	S3		10'	60"	10			
-11					0.9			gray silty fine SAND, trace medium sand moist to wet
-12					12			
-13					0.6			
-14					14	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; wet		
-15	S4		15'		0.1			
-16					15			End of Boring at 15 feet; No Refusal
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.
 BORING ID: GP3-5
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)	
-1					0.1		
					2		
-2					2		
					3.7		
-3					4		
-4					4		
			5'		7.8		
-5	S2		5'	48"	6		
					6		
-6					4.2		
-7					8		
-8					8		
					0.3		
-9					10		
			10'		10		
-10	S3		10'	60"	10	gray silty fine SAND, trace medium sand moist to wet	
					0.8		
-11					12		
					12		
-12					0.1		
					14		
-13					14		
-14					0.0		
	S4		15'		15		
-15							
-16							
-17							
-18							
-19							
-20							
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand		
					Rock: NA		
					Well Depth: NA		
					Boring: 15'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.
 BORING ID: GP3-6
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	48"	0	tan to brown fine SAND; little coarse sand trace medium sand with wood and gravel; dry (FILL)	
-1					0.1		
-2					2		
-3					2.2		
-4					4		
-5	S2		5'	48"	0.5		
-6					6		
-7					0.1		
-8					8		
-9					0.3		
-10	S3		10'	60"	10	black fine to medium SAND with ash and broken concrete and coal pieces; dry	
-11					0.9		
-12					12		
-13					0.6		
-14					14		
-15	S4		15'		0.1		
-16					15		
-17							
-18							
-19							
-20							
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand		
					Rock: NA		
					Well Depth: NA		
					Boring: 15'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.
 BORING ID: GP3-7
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	50"	0	tan to brown fine SAND, little coarse sand trace medium sand and gravel; dry (FILL)		
-1					0.1			
-2					2			
-3					0.1			
-4					4			
-5	S2		5'	48"	0.2			
-6					6			
-7					0.1			
-8					8			
-9					0.1			
-10	S3		10'	60"	10	gray silty fine SAND, trace medium sand moist to wet		
-11					0.0			
-12					12			
-13					0.0			
-14					14			
-15	S4		15'		0.0			
-16					15			
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El. _____

BORING ID: GP3-8
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	48"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL) black fine to silty fine SAND, crushed brick, concrete, tan fine sand, ash layers with gravel; dry (FILL)		
-1					0.0			
-2					2			
-3					0.0			
-4					4			
-5	S2		5'	48"	1.2			
-6					6			
-7					2.9			
-8					8			
-9			10'		0.3			
-10	S3		10'	60"	10	gray silty fine SAND, trace medium sand moist to wet		
-11					0.4			
-12					12			
-13					0.0			
-14					14			
-15	S4		15'		0.0	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; wet		
-16					15			
-17								
-18								
-19								
-20								
Groundwater Measurements							Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830.20
 Total Depth: 15'
 Date Started: 5/12/2022
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/12/2022
 Ground El.:
 BORING ID: GP3-9
 Logged By: AMS
 Contractor: Soil Ex
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	42"	0	tan to brown fine SAND, little coarse sand trace medium sand and gravel; dry (FILL) brown to black fine to silty fine SAND, black coarse sand dry (FILL)		
-1					0.0			
					2			
-2					2			
					0.4			
-3					4			
					4			
-4			5'		1.9			
-5	S2		5'	48"	6			
					6			
-6					0.9	black fine to medium SAND with ash and broken with gravel and orange sand lenses; dry (FILL)		
-7					8			
					8			
-8					0.3			
-9			10'		10	black tan fine to silty fine SAND, gray silt seams; moist		
-10	S3		10'	48"	10	gray silty fine SAND, trace medium sand moist to wet		
					0.0			
-11					12			
					12			Approximate Water Table
-12					0.0			
					14			
-13					14	trace coarse sand; wet		
-14			15'		0.0			
-15	S4		15'		15	End of Boring at 15 feet; No Refusal		
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.
 BORING ID: GP4-1
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample					Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery	PID Hdspace (ppmv)			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.1			
					2			
-2					2	tan to gray fine to silty fine SAND, little medium sand with glass; dry (FILL)		
					0.0			
-3					4			
-4					4			
			5'		0.1			
-5	S2		5'	48"	6			
					6			
-6					0.1			
					8			
-7					8			
-8					0.3			
			10'		10			
-10	S3		10'	60"	10	See Above		
					0.9			
-11					12			
-12					12			
					0.6			
-13					14			
-14								
			15'					
-15	S4		15'					End of Boring at 15 feet; No Refusal
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-2
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)	
-1					0.1		
-2					2		
-3					2		
-4					0.0	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)	
-5					4		
-6					4		
-7			5'		0.1		
-8	S2		5'	48"	0.1		
-9					6		
-10					6		
-11					0.1		
-12					8	gray fine to silty fine SAND, trace medium sand, with broken glass, asphalt pieces, concrete pieces; dry (FILL)	
-13					8		
-14					0.3		
-15					10		
-16					10		
-17	S3		10'	60"	10	gray fine to silty fine SAND, trace medium sand, moist	
-18					0.9		
-19					12		
-20					12	Approximate Water Table	
-21					0.6	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet	
-22					14		
-23							
-24			15'			End of Boring at 15 feet; No Refusal	
-25							
-26							
-27							
-28							
-29							
-30							
-31							
-32							
-33							
-34							
-35							
-36							
-37							
-38							
-39							
-40							
-41							
-42							
-43							
-44							
-45							
-46							
-47							
-48							
-49							
-50							
-51							
-52							
-53							
-54							
-55							
-56							
-57							
-58							
-59							
-60							
-61							
-62							
-63							
-64							
-65							
-66							
-67							
-68							
-69							
-70							
-71							
-72							
-73							
-74							
-75							
-76							
-77							
-78							
-79							
-80							
-81							
-82							
-83							
-84							
-85							
-86							
-87							
-88							
-89							
-90							
-91							
-92							
-93							
-94							
-95							
-96							
-97							
-98							
-99							
-100							
-101							
-102							
-103							
-104							
-105							
-106							
-107							
-108							
-109							
-110							
-111							
-112							
-113							
-114							
-115							
-116							
-117							
-118							
-119							
-120							
-121							
-122							
-123							
-124							
-125							
-126							
-127							
-128							
-129							
-130							
-131							
-132							
-133							
-134							
-135							
-136							
-137							
-138							
-139							
-140							
-141							
-142							
-143							
-144							
-145							
-146							
-147							
-148							
-149							
-150							
-151							
-152							
-153							
-154							
-155							
-156							
-157							
-158							
-159							
-160							
-161							
-162							
-163							
-164							
-165							
-166							
-167							
-168							
-169							
-170							
-171							
-172							
-173							
-174							
-175							
-176							
-177							
-178							
-179							
-180							
-181							
-182							
-183							
-184							
-185							
-186							
-187							
-188							
-189							
-190							
-191							
-192							
-193							
-194							
-195							
-196							
-197							
-198							
-199							
-200							
-201							
-202							
-203							
-204							
-205							
-206							
-207							
-208							
-209							
-210							
-211							
-212							
-213							
-214							
-215							
-216							
-217							
-218							
-219							
-220							
-221							
-222							
-223							
-224							
-225							
-226							
-227							
-228							
-229							
-230							
-231							
-232							
-233							
-234							
-235							
-236							
-237							
-238							
-239							
-240							
-241							
-242							
-243							
-244							
-245							
-246							
-247							
-248							
-249							
-250							
-251							
-252							
-253							
-254							
-255							
-256							
-257							
-258							
-259							
-260							
-261							
-262							
-263							
-264							
-265							
-266							
-267							
-268							
-269							
-270							
-271							
-272							
-273							
-274							
-275							
-276							
-277							
-278							
-279							
-280							
-281							
-282							
-283							
-284							
-285							
-286							
-287							
-288							
-289							
-290							
-291							
-292							
-293							
-294							
-295							
-296							
-297							
-298							
-299							
-300							
-301							
-302							
-303							
-304							
-305							
-306							
-307							
-308							
-309							
-310							
-311							
-312							
-313							
-314							
-315							
-316							
-317							
-318							
-319							
-320							
-321							
-322							
-323							
-324							
-325							
-326							
-327							
-328							
-329							
-330							
-331							
-332							
-333							
-334							
-335							
-336							
-337							
-338							
-339							

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-3
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery					
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)			
-1					0.0				
-2					2				
-3					0.0	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)			
-4					4				
-5	S2		5'	48"	0.9				
-6					6	black fine to silty fine SAND, trace medium sand, with broken glass, brick and wood; dry (FILL)			
-7					1.2				
-8					8				
-9					0.7				
-10	S3		10'	40"	10	gray fine to silty fine SAND, trace medium sand, moist			
-11					0.2				
-12					12				
-13					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet			
-14					14				
-15			15'			End of Boring at 15 feet; No Refusal			
-16									
-17									
-18									
-19									
-20									
Groundwater Measurements								Summary	
Date	Time	Depth to Groundwater		Measuring Point		Overburden: Fill; Sand			
						Rock: NA			
						Well Depth: NA			
						Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-4
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.0			
-2					2			
-3					0.0	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)		
-4					4			
-5	S2		5'	48"	0.9			
-6					6	black fine to silty fine SAND, trace medium sand, with broken glass, asphalt pieces, concrete pieces, dry (FILL)		
-7					1.2			
-8					8			
-9					0.7	gray to black fine SAND, little gravel, trace silt with wood; moist (FILL)		
-10	S3		10'	40"	10			
-11					0.2			
-12					12	Approximate Water Table		
-13					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet		
-14					14			
-15			15'					
-16						End of Boring at 15 feet; No Refusal		
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-5
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.0			
-2					2			
-3					0.9	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)		
-4					4			
-5	S2		5'	48"	0.1			
-6					6	black fine to silty fine SAND, trace medium sand, with broken glass, metal; dry (FILL)		
-7					0.6			
-8					8			
-9					0.4	gray to black fine SAND, little gravel, trace silt with wood; moist (FILL)		
-10	S3		10'	40"	10			
-11					0.0			
-12					12	Approximate Water Table		
-13					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet		
-14					14			
-15			15'					
-16						End of Boring at 15 feet; No Refusal		
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.:
 BORING ID: GP4-6
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.0			
-2					2			
-3					0.0	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)		
-4					4			
-5	S2		5'	48"	0.1			
-6					6	black fine to silty fine SAND, trace medium sand, with broken glass, metal, clay (FILL)		
-7					0.0			
-8					8			
-9					1.6			
-10	S3		10'	45"	10			
-11					0.0	gray to black fine SAND, little gravel, trace silt with wood; moist (FILL)		
-12					12			
-13					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet		
-14					14			
-15			15'			End of Boring at 15 feet; No Refusal		
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-7
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	black asphalt and graded base	
-1					0.0	tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)	
					2		
-2					2		
					1.3	tan to gray fine to silty fine SAND, little medium sand; dry	
-3					4		
					4		
-4					4	black fine to silty fine SAND, trace medium sand, with wood; dry (FILL)	
			5'		1.1		
-5	S2		5'	48"	6		
					6		
-6					0.9		
					8		
-7					8		
					0.3		
-8					10		
			10'		10		
-9					2.6	black fine to silty fine SAND, trace medium sand, trace coarse sand; moist to wet	
	S3		10'	60"	12		
-10					12		
					1.3		
-11					14		
-12							
			15'				
-13							
-14							
-15							
-16							
-17							
-18							
-19							
-20							
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand		
					Rock: NA		
					Well Depth: NA		
					Boring: 15'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.:
 BORING ID: GP4-8
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery					
0	S1		0'	48"	0		black asphalt and graded base		
-1					0.0		tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)		
-2					2				
-3					0.0		tan to gray fine to silty fine SAND, little medium sand; dry (FILL)		
-4					4				
-5	S2		5'	40"	0.9		black fine to silty fine SAND, trace medium sand, with wood; dry (FILL)		
-6					6				
-7					1.9				
-8					8				
-9					0.0				see above with 6" concrete layer
-10	S3		10'	48"	10				
-11					0.8				black fine to silty fine SAND, trace medium sand, trace coarse sand; moist to wet (FILL)
-12					12				
-13					0.7				
-14					14				
-15			15'				End of Boring at 15 feet; No Refusal		
-16									
-17									
-18									
-19									
-20									
Groundwater Measurements							Summary		
Date	Time	Depth to Groundwater		Measuring Point		Overburden: Fill; Sand			
						Rock: NA			
						Well Depth: NA			
						Boring: 15'			